

Please type a plus sign (+) inside this box ☐

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	TBD
				Filing Date	November 18, 2003
				First Named Inventor	Dabak
				Group Art Unit	TBD
				Examiner Name	TBD
Sheet	1	of	2	Attorney Docket No.	TI-28984.1

U.S. PATENT DOCUMENTS						
Exam. Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	6,178,196 B1		Naguib et al.	01-23-2001	Figure 1
	AB	6,449,314 B1		Dabak et al.	09-10-2002	Figures 1-2
	AC	6,317,411 B1		Whinnett et al.	11-13-2001	Figure 10
	AD	5,737,327 A		Ling et al.	04-07-1998	Figure 1
	AE	US 2002/0027948 A1		Schilling	03-07-2002	Figure 3
	AF	US 2003/0058929 A1		Cox et al.	03-27-2003	Figure 3
	AG	US 2001/0024426 A1		Zelra et al.	09-27-2001	Figure 2
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					

FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)				
	BA		EP 1056237A2		Dabak et al.	11-29-2000	Figures 1-2	
	BB		EP 1006876A2		Dabak et al.	06-07-2000	Figures 1-2	
	BC							
	BD							
	BE							
	BF							
	BG							
	BH							

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box ☐



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	TBD
				Filing Date	November 18, 2003
				First Named Inventor	Dabak
				Group Art Unit	TBD
				Examiner Name	TBD
Sheet	2	of	2	Attorney Docket No.	TI-28984.1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	MOHR, <i>UTRA FDD and TDD, a harmonized proposal for IMT-2000</i> , IEEE Communication Technology Proceedings, 10/22/98-10/24/98, pp. 495-499.	
	CB	JEONG et al., <i>A Novel Diversity System in TDD-CDMA</i> , IEEE, 9/2/1988-9/4/1998, pp. 771-775.	
	CC	DABAK et al., <i>Equalization and multi-user detection for space time block coding based transmit diversity (STTD) in frequency selective channels</i> , IEEE, 2000, pp. 506-513.	
	CD	DABAK et al., <i>Space Time Block Coded Transmit Antenna Diversity Scheme for WCDMA</i> , IEEE, 9/21/1999-9/24/1999, pp. 1466-1469.	
	CE	ALAMOUTI, <i>A Simple Transmit Diversity Technique for Wireless Communications</i> , IEEE Communications, 10/98, pp. 1451-1458.	
	CF	KLEIN et al., <i>Zero Forcing and Minimum Mean-Square-Error Equalization for Multuser Detection in Code-Division Multiple-Access Channels</i> , IEEE Trans. On Veh. Technology, 05/96, pp. 276-287.	
	CG	3G TS 25.221, <i>V3.1.0 Technical Specification</i> , 12/99, pp. 1-47.	
	CH		
	CI		
	CJ		
	CK		
	CL		
	CM		
	CN		
	CO		
	CP		
	CQ		
	CR		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.